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PTO/SB/08A (08-03)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 3

Complete if Known

Application Number	09/690,044
Filing Date	October 16, 2000
First Named Inventor	Per Lennart Lindberg
Art Unit	1625
Examiner Name	Fan, Jane T.
Attorney Docket Number	1103326-0072

FOREIGN PATENT DOCUMENTS

Examiner Initials ¹	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ³ -Kind Code ³ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
u	D1-Binder. 1.	EP-0 005 129 A1	10-31-1979			
	D2-Binder. 1.	EP-0 124 495 A2	11-07-1984			
	D3-Binder. 1.	DE-40 35 455 A1	05-14-1997			
	D10-Binder. 1.	EP-01.662 87 B1	01-02-1986			
	D12-Binder. 1.	WO 88/03921(Page 35)	06-02-1988			
u	D1-Binder. 2	EP-0 652 872	05-17-1995			

NON PATENT LITERATURE DOCUMENTS

Examiner Initials ¹	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
u	D4-Binder. 1.	J. MARCH, Advanced Organic Chemistry, 4 th edition (1992), John Wiley & Sons, pages 100, 120, 121, 378 and 379.	
	D5-Binder. 1	A. PILBRANT and C. CEDERBERG, "Development of an oral formulation of omeprazole", Scandinavian Journal of Gastroenterology, Volume 20, Supplement 108 (1985), pages 113-120.	
	D6-Binder. 1.	Beyer-Walter, Lehrbuch der Organischen Chemie [Textbook of organic chemistry], 22 nd edition (1991), S. Hirzel Verlag, Stuttgart, pages 735-736.	
	D7-Binder. 1.	H.J. FEDERSEL, "Chiral Arzneimittel", Chemie in unserer Zeit (1993)/No. 2, VCH Verlagsgesellschaft mbH, pages 78-87.	
	D8-Binder. 1	D. ENDERS and R.W. HOFFMANN, "Asymmetrische Synthese", Chemie in unserer Zeit (1985)/No. 6, VCH Verlagsgesellschaft mbH, pages 177-190.	
	D9-Binder. 1.	Clinical studies A and B by Astra Hässle AB, introduced into the grant proceedings.	
	D11-Binder. 1.	Methoden der Organischen Chemie (Houben Weyl) [Methods of organic chemistry, Houben Weyl], volume I/1, 1958, chapter "Crystallization", pages 345-389.	
	D13-Binder. 1.	P. LINDBERG <i>et al.</i> , "Omeprazole: The First Proton Pump Inhibitor", Medicinal Research Reviews, Vol. 10, No. 1, 1-54 (1990).	
	D14-Binder. 1.	P. ERLANDSSON <i>et al.</i> , "Resolution of the enantiomers of omeprazole and some of its analogues by liquid chromatography on a trisphenylcarbamoylcellulose-based stationary phase: The effect of the enantiomers of omeprazole on gastric glands", Journal of Chromatography 532 (1990) 305-319.	
	D15-Binder. 1.	W. FORTH <i>et al.</i> , "Allgemeine und spezielle Pharmakologie und Toxikologie" [General and special pharmacology and toxicology], Wissenschaftsverlag, 6 th edition 1992, pages 33, 34, 55-57, 70, 472 and 473.	
u	D16-Binder. 1.	M. EICHELBAUM <i>et al.</i> , "Effects of Verapamil on P-R-Intervals in Relation to Verapamil Plasma Levels Following Single i.v. and Oral Administration and During Chronic Treatment, Klinische Wochenschrift 58, 919-925 (1980).	
Examiner Signature		<i>clb</i>	Date Considered

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a	D17-Binder 1	P. DAYER <i>et al.</i> , "Interindividual Variation of Beta-Adrenoceptor Blocking Drugs, Plasma Concentration and Effect: Influence of Genetic Status on Behavior of Atenolol, Bopindolol and Metoprolol, Eur. J. Clin. Pharmacol. (1985) 28(2): 149-153.	
	D18-Binder 1	"The result of a recent study comparing all PPI's currently on the market".	
	D19-Binder 1	P. FRESENIUS, "Organic Chemical Nomenclature, Introduction to the Basic Principles", Ellis Horwood Limited, page 127.	
	D20-Binder 1	S. YAMADA and S. NARITA, "Synthesis and Isomerization of Optical Active 2[(6,7,8,9-tetrahydro-5H-cyclohepta[b]pyridin-9-yl)sulfinyl]-1H-benzimidazole Analogs" Chem. Pharm. Bull 42(8), 1679-1681 (1994).	
	D21-Binder 1	JACOBUS <i>et al.</i> , "Racemization and Cleavage of Sulfoxides by Methylolithium", Journal of the American Chemical Society 89:20; pages 5228-5234 (1967).	
	D22-Binder 1	TANAKA, M. <i>et al.</i> , "Direct Determination of Pantoprazole Enantiomers in Human Serum by Reversed-Phase High-Performance Liquid Chromatography Using a Cellulose-Based Chiral Stationary Phase and Column-Switching System as a Sample Cleanup Procedure", Analytical Chemistry, Vol. 68, No. 9, 1513-1516 (1996)	
	D23-Binder 1	CASS <i>et al.</i> , "Enantiomeric determination of pantoprazole in human plasma by multidimensional high-performance liquid chromatography", J. Chromatography B, 766 (2001) 153-160.	
	D24-Binder 1	Comprehensive Medicinal Chemistry, Pergamon Press (1990), Volume 2, pages 193- 205.	
	D25-Binder 1	RENBURG <i>et al.</i> , "Identification of Two Main Urinary Metabolites of [¹⁴ C]Omeprazole in Humans", Drug Metabolism and Disposition, Vol 17, (1989) 69-76.	
	D26-Binder 1	Abstract #35, "Synthesis and Biological Activity of Enantiomers of H ⁺ K ⁺ -ATPase Inhibiting 2-(2-Pyridyl-methyl) sulphinyl-benzimidazoles (PSBs) from Program of the Fourth International Symposium of Chiral Discrimination, 19-22 September 1993, Montreal, Quebec, Canada.	
	D2-Binder 2	In the matter of EP 0 652 872, Notice of Opposition and Opposition Brief in the name of Ratiopharm GmbH, dated 18 July 2001.	X
	D3-Binder 2	In the matter of EP 0 652 872, Response to the Opposition Brief by AstraZeneca AB, dated 27 March 2002.	
	D4-Binder 2	In the matter of EP 0 652 872, third party observations, dated 30 May 2002.	
	D5-Binder 2	In the matter of EP 0 652 872, opponent submission, dated 22 January 2003.	X
a	D6-Binder 2	In the matter of EP 0 652 872, summons to oral proceedings, dated 15 July, 2003.	
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